

Patent claims

1.-8. (cancelled)

9. (new) A method for restricting traffic in a packet-oriented network having a plurality of links, the method comprising:

performing an authorization check relating to each link via which a group of data packets of a flow is transmitted over the network, wherein

the group of data packets enters into the network at an ingress node, wherein

the authorization check is performed by means of a limit value for the entire traffic which enters at the ingress node and is routed via the link.

10. (new) The method in accordance with claim 9, wherein the transmission of the group of data packets is not authorized if the authorization of the transmission would lead to traffic on the link exceeding the limit value.

11. (new) The method in accordance with claim 9, wherein

two authorization checks relating to the link are performed, wherein

a first authorization check corresponding to claim 9 is performed, wherein

a second authorization check is performed in which

an authorization check relating to the link is performed for the group of data packets, wherein

the group of data packets leaves the network at an egress node, wherein

the second authorization check is performed by means of a further limit value for the entire traffic which leaves the network via the egress node and is routed via the link, and wherein

the transmission of the group of data packets is not authorized if an authorization of the transmission would lead to traffic on the link exceeding either the limit value or the further limit value.

12. (new) The method in accordance with claim 9, further comprising:

performing a further authorization check, wherein

the further authorization check is performed by means of a limit value for the entire traffic of the flow routed via the ingress node, and wherein

the transmission of the group of data packets is not authorized if authorizing the transmission would lead to traffic at the ingress node which would exceed the limit value.

13. (new) The method in accordance with claim 9, further comprising:

performing a further authorization check, wherein

the further authorization check is performed by means of a limit value for the entire traffic of the flow routed via the egress node, and wherein

the transmission of the group of data packets is not authorized if the authorization of the transmission would lead to traffic exceeding the limit value at the egress node.

14. (new) The method in accordance with claim 9, further comprising:

performing a further authorization check, wherein

the further authorization check is performed by means of a limit value for traffic routed from the ingress node of the flow to the egress node, and wherein

the transmission of the group of data packets is not authorized if authorization of the transmission would lead to

traffic exceeding the limit value between the ingress node and the egress node.

15. (new) A method for restricting traffic in a packet-oriented network having a plurality of links, the method comprising:

performing an authorization check relating to a link for a group of data packets of a flow to be transmitted over the network, wherein

the group of data packets leaves the network at an egress node, wherein

the authorization check is performed by means of a limit value for the entire traffic which leaves the network via the egress node and is routed via the link.

16. (new) The method in accordance with claim 15, wherein the transmission of the group of data packets is not authorized if the authorization of the transmission would lead to traffic exceeding the limit value on the link.

17. (new) The method in accordance with claim 15, wherein

two authorization checks relating to the link are performed, wherein

a first authorization check corresponding to claim 15 is performed, wherein

a second authorization check is performed in which for the group of data packets of the flow to be transmitted over the network an authorization check relating to the link is performed, wherein

the group of data packets enters the network at an ingress node,

the authorization check is performed by means of a further limit value for the entire traffic which enters at the ingress node and is routed via the link, and wherein

the transmission of the group of data packets is not authorized if an authorization of the transmission would lead to traffic on the link exceeding either the limit value or the further limit value.

18. (new) The method in accordance with claim 15, wherein the method is performed for all links.

19. (new) The method in accordance with claim 17, wherein the method is performed for all links.

20. (new) The method in accordance with claim 15, further comprising:

performing a further authorization check, wherein
the further authorization check is performed by means of a limit value for the entire traffic of the flow routed via the ingress node, and wherein

the transmission of the group of data packets is not authorized if authorizing the transmission would lead to traffic at the ingress node which would exceed the limit value.

21. (new) The method in accordance with claim 15, further comprising:

performing a further authorization check, wherein
the further authorization check is performed by means of a limit value for the entire traffic of the flow routed via the egress node, and wherein

the transmission of the group of data packets is not authorized if the authorization of the transmission would lead to traffic exceeding the limit value at the egress node.

22. (new) The method in accordance with claim 15, further comprising:

performing a further authorization check, wherein
the further authorization check is performed by means of a
limit value for traffic routed from the ingress node of the
flow to the egress node, and wherein
the transmission of the group of data packets is not
authorized if authorization of the transmission would lead to
traffic exceeding the limit value between the ingress node and
the egress node.

23. (new) A marginal node comprising means for executing a
method in accordance with claim 15.